

**Advanced Endodontics Dentistry Today May 1997 Endodontic**

L'endodontie est souvent restreinte à un problème de mise en forme et d'obturation canalaires. Cette discipline est finalement beaucoup plus vaste et son évolution est permanente. Si, depuis une quinzaine d'années, les progrès technologiques ont permis de faire évoluer l'instrumentation (instruments rotatifs en nickel-titane, localisateur d'apex, dispositifs optiques, radiographie numérique, etc.), une nouvelle ère plus biologique a démarré et représentera probablement l'endodontie de demain. Ce traité a pour objectif d'aborder tous les domaines de l'endodontie. Les vingt-trois chapitres abordent tous les sujets qu'occupe de près ou de plus loin la discipline et sont organisés en quatre blocs. Le premier traite du tissu pulpaire, sa biologie, sa physiopathologie, et de la prise en charge des uégences d'origine endodontique et de ses complications infectieuses. Dans un deuxième bloc, les phases du traitement endodontique dit "initial" sont abordées étape par étape, de la pose du champ opératoire à l'obturation et la reconstruction coronaro-radulaire. L'ouvrage se poursuit par une approche descriptive du traitement et de la chirurgie endodontique. Le dernier bloc concerne des domaines qui n'avaient pas été abordés dans un ouvrage d'endodontie en langue française depuis plus de vingt années : les résorptions radiculaires, la microbiologie, les lésions endo-parodontales, les répercussions sinusiennes des pathologies endodontiques, l'intérêt des dispositifs optiques. L'implication de l'endodontie en cas de traumatisme dentaire, enfin l'éternelle question du pronostic en endodontie. Très complet, unique en langue française depuis la parution de l'ouvrage de Jean-Marie Laurichesse en 1993, le "JIPO" Endodontic comprend une abondante iconographie composée de schémas didactiques et de nombreux cas cliniques. Il s'adresse aussi bien aux étudiants en formation initiale ou/et de troisième cycle qu'à tous les praticiens, généralistes ou spécialistes.

This book offers up-to-date information on all aspects of the use of lasers in endodontics, focusing especially on the various laser applications, including primary and permanent root canal therapies, retreatments, apical surgery and pulp therapy. Every laser technique used in endodontics is carefully described and illustrated, with detailed coverage of both conventional methods and more recent developments such as laser-activated irrigation and photon-induced photocoagulative streaming. In addition, a separate section addresses the basic science of laser dentistry, explaining the physics, describing laser-tissue interactions, and discussing different types of laser. Extensive reference is made to the international literature in order to provide the reader with a clear, evidence-based understanding of the merits of various approaches. In offering a balanced mix of descriptions of clinical applications, clinical data, scientific research and logical criticism, the book will serve as an excellent reference for a wide audience comprising general dentists as well as specialists. This superbly illustrated book provides a comprehensive overview of guided endodontics, a technology-driven, contemporary treatment approach that represents a paradigm shift in endodontics. Guided endodontics is now the proven, safe, predictable and, clinically, the most effective method for management of calcified root canals and root-end resection surgeries. This book covers detailed step-by-step digital treatment planning and the clinical application of static guides and dynamic navigation systems for, both, surgical and non-surgical endodontic treatment. In essence, this novel technology utilizes preoperative CBCT scans and intra-oral 3D scans as well as uniquely developed special software, for virtual planning of the endodontic treatment. This book delineates 3D printing, CBCT, digital impression systems, static guide designing with different software and clinical application of static and dynamic navigation in endodontics and much more. The concluding chapter addresses the future trends in 3D guidance in endodontics, in particular, and dentistry in general.

This book is a guide to proven, current clinical endodontic practice. It is designed, primarily, with the undergraduate readership in mind but is also suitable for anyone pursuing specialist training, including extended skills in endodontics, and general dental practitioners undertaking CPD, or wishing to keep up-to-date. The seventh edition is available with an online question bank containing MCQs and Clinical Cases. Practical approach to the subject, taking the reader through every step of endodontic practice from its scientific basis to patient assessment and through to clinical techniques Helpful pedagogic features – including Learning Outcomes and Summary Boxes – help reinforce learning International experts and contributors help ensure good coverage and currency of information Explores areas of debate when they exist to reflect differing approaches to treatment Intervention Explains the potential impact of systemic conditions and disorders, as well as medications, on endodontic treatment planning and management Discusses the diagnosis of orofacial pain and the appropriate use of antibiotics and analgesics Explores the maintenance of pulp vitality and the prevention of apical periodontitis in the context of operative dentistry Provides an overview of instruments and devices used during endodontic treatment Describes the fundamental principles of canal filling using gutta-percha, as well as the use of alternative materials, and newer root filling techniques Discusses the management of dental trauma with emphasis on accurate diagnosis, timely and appropriate treatment, and follow-up Explores the interface between endodontic-periodontal disease in the context of diagnosis, treatment and prognostic assessment Discusses common challenges such as inadequate pain control and problems with preparation and filling of the root canal system Written at a level which is ideal for dental students, general dental practitioners and those pursuing specialist training or seeking to keep up-to-date Comes with access to an online question bank containing a wide range of MCQs and Clinical Cases to help reinforce learning! Richly illustrated with over 80 colour artworks – many created by the Gray 's Anatomy illustration team – and 350 photographs, many of which are previously unpublished Explores advances in our understanding of the role of microorganisms in the pathogenesis of pulpal and periradicular diseases and the role of host defence response against root canal infection Explores the use of newer imaging techniques such as three-dimensional tomography in determining pulp space anatomy and in treatment planning Explains recent advances in material technology, molecular biology and regenerative medicine in the management of deep caries and maintenance of pulp vitality Explores the effective use of existing and newer chemomechanical preparation techniques and intracanal medication for thorough root canal system decontamination Explores advances in the techniques available for restoring endodontically treated teeth

A Clinical Guide to Endodontics  
Endodontic Irrigation  
Practical Lessons in Endodontic Treatment  
Lasers in Endodontics  
Harty's Endodontics in Clinical Practice E-Book  
Head, Neck, and Orofacial Infections  
Written by the foremost authority in the field, **Dental Implants Prosthetics, 2nd Edition** helps you advance your skills and understanding of implant prosthetics. Comprehensive coverage includes both simple and complicated clinical cases, with practical guidance on how to apply the latest research, diagnostic tools, treatment planning, implant designs, materials, and techniques to provide superior patient outcomes. Treatment supported by clinical evidence equips students with a more targeted evidence-based approach to patient procedures. NEW! Emphasis on treatment planning helps decrease the number of visits while providing effective, long-term results for the patient. NEW! Focus on the patient presentation offers the latest treatment options for bone harvesting, restoration and recovery. NEW! Original illustrations and photos highlight and clarify key clinical concepts and techniques. A reference manual catering for all aspects of dental assisting; it supports and is aligned to important Australian government standards including the National Competency Standards part of the recently endorsed Health Training Package.

**Identify risk factors and potential emergencies before they occur with Preventing Medical Emergencies, the only book on the market to provide dental professionals, hygienists, and assistants with step-by-step procedures for preventing medical emergencies and effectively managing them when they occur. Organized to follow the most recent American Dental Association Health History form, the book includes easy-to-find follow-up questions for all conditions, along with clinically relevant treatment plan modifications and strategies for preventing and managing specific emergencies. You'll find easy-to-follow coverage of general pathophysiology, medical management, and device use.**

**With the desire for dental implant therapy ever escalating, clinicians are faced with the challenge of augmenting deficient natural physiology to provide effective sites for implantation. Implant Site Development helps the clinician decide if, when, and how to create a ridge site amenable to implantation. This practical book offers solutions to many implant site preservation scenarios, discussing different treatment options, timing, a variety of materials and techniques, and their application to the clinical practice. With a unique integrated clinical approach, Implant Site Development covers a range of site development techniques. Highly illustrated, Implant Site Development presents diagrams and clinical photographs to aid with clinical judgment and will prove useful for any dental professional involved in implant therapy, from general practitioners to prosthodontists, but especially surgeons. This literature-based, yet user-friendly, reference will be indispensable to the novice or veteran clinician.**

**Pocket Atlas of Endodontics**  
**Advanced Endodontics**  
**Prevention and Management**  
**The Journal of the American Dental Association**  
**Guided Endodontics**  
**Endodontic Prognosis**

This book serves as a clinical guide to help the practitioner improve endodontic treatment outcomes. It focuses on the various factors affecting the prognosis of endodontic treatments and on their impact on short-term and long-term results. The text incorporates up-to-date knowledge, techniques and treatment protocols. Each chapter has been carefully chosen to address either foundational knowledge or a select aspect of endodontic treatment. The authors analyze the knowledge accumulated from a large number of outcome studies and provide the reader with a critical appraisal indicating the strengths and weaknesses of those studies. This information is then used to make recommendations on how to predict the outcome of the intended treatment. The authors emphasize that the endodontic prognosis is a multifactorial phenomenon, underscoring how various factors, singularly and in combination, influence the treatment outcome. Readers are provided with tools to successfully assess the prognosis of the proposed treatment at the outset and to execute the planned treatment focused on optimal outcome.

This 4th edition is an essential scientific & clinical building block for understanding the etiology & treatment of teeth with pulpal & periapical diseases. You'll easily understand & learn procedures through step-by-step explanations accompanied by illustrations, as well as video clips included on CD.

Advanced Dental Biomaterials is an invaluable reference for researchers and clinicians within the biomedical industry and academia. The book can be used by both an experienced researcher/clinician learning about other biomaterials or applications that may be applicable to their current research or as a guide for a new entrant into the field who needs to gain an understanding of the primary challenges, opportunities, most relevant biomaterials, and key applications in dentistry. Provides a comprehensive review of the materials science, engineering principles and recent advances in dental biomaterials Reviews the fundamentals of dental biomaterials and examines advanced materials' applications for tissues regeneration and clinical dentistry Written by an international collaborative team of materials scientists, biomedical engineers, oral biologists and dental clinicians in order to provide a balanced perspective on the field

Dentistry has been undergoing enormous changes, and the field of endodontics has certainly been at the forefront. Recent advances in technology, materials, and equipment have changed the way endodontics is practiced today, thereby facilitating treatments with greater efficiency, precision, and success, ultimately leading to better outcomes. Current Therapy in Endodontics encompasses the recent discoveries and applications for this field in one clinically relevant volume. Evidence-based presentation of recent advances in the field of endodontics Objective comparison of materials and instruments on the market Tables present key data and instruction for quick viewing and comprehension  
Chemical disinfection of the root canal system  
Scientific Background and Clinical Applications  
Preventing Medical Emergencies: Use of the Medical History in Dental Practice  
Implant Site Development

Endodontie  
Functional Occlusion – E-Book  
**Microsurgery in Endodontics provides the definitive reference to endodontic microsurgery, with instructive photographs and illustrations. Provides a definitive reference work on endodontic microsurgery Includes contributions from pioneers and innovators in the field of microsurgical endodontics Describes techniques for a wide range of microsurgical procedures Includes more than 600 instructive illustrations and photographs**

**Written by the foremost authority in the field, this book provides dental professionals with a clear understanding of current clinical and scientific knowledge on the various aspects of pulp treatment for both primary and young permanent teeth. Diagnostic parameters are clearly presented, along with step-by-step descriptions of clinical procedures, including indirect and direct pulp treatments, pulpotomy, and pulpectomy. The rationale for the materials used in each technique and their individual merits and disadvantages are examined in detail. In the case of pulpotomy, all the materials used since the introduction of this treatment modality are discussed (e.g., formocresol, glutaraldehyde, ferric sulfate, and MTA) and the roles of sodium hypochlorite, electrofulguration, and laser therapy are elucidated. Special attention is devoted to pulpectomy and root canal treatment, with consideration of debriding and obturation techniques, rinsing solutions, and root-filling pastes. A further individual chapter is dedicated to restorations of teeth treated with the different types of pulp therapy. The various conservative treatment modalities are also presented, including specific treatments for immature nonvital permanent teeth. The concluding chapter looks to the future and the potential value of stem cells in pulp therapy.**

**This book describes the latest minimally invasive approaches in endodontics and explains the principles that guide them. The advantages and limitations of these approaches are critically analyzed with the intention of defining new endodontic gold standards. The trend toward the use of more conservative procedures within endodontics reflects the wider adoption of minimally invasive dentistry in general and is being fostered by the introduction of new materials, devices, instruments, and techniques as well as the use of magnification and advanced three-dimensional diagnostic imaging technologies. In this book, readers will find clear explanation of these advances and their impacts. Minimally invasive access to the root canal system is described, and detailed attention is devoted to the application of novel strategies in root canal instrumentation and disinfection, root canal filling, coronal restoration, retreatment, and endodontic surgery. Minimally invasive alternatives to complete endodontic treatment, such as vital pulp therapies, and to dental extraction and implant placement, including surgical extrusion, intentional replantation, and tooth autotransplantation, are also discussed. Minimally Invasive Approaches in Endodontic Practice will be of value for endodontists at all levels of experience.**

**Providing safe, fast, and efficient incision with an improved field of vision, radiosurgery is one of the most important and versatile instruments in modern dentistry. Here, in this best-selling, step-by-step guide to the safe practice of a wide variety of clinical procedures, Sherman builds upon the phenomenal success of previous editions, updating technical aspects of the subject that have moved on since the last edition. With a particular focus upon new instruments and machines, as well as cases of use with implants, this third edition is an indispensable guide for all clinicians in practice. Short Contents**

**Oral Radiosurgery**  
**Textbook of Endodontics**  
**Pediatric Endodontics**  
**A History of Dentistry from the Most Ancient Times Until the End of the Eighteenth Century**  
**Microsurgery in Endodontics**  
**Cohen's Pathways of the Pulp Expert Consult - E-Book**

Accompanying small-format CD-ROM includes the entire text of the book and illustrations in searchable PDF format.  
Based on the #1 New York Times bestseller The 5 Love Languages®(over 12 million copies sold), Dramatically improve workplace relationships simply by learning your coworkers' language of appreciation. This book will give you the tools to improve staff morale, create a more positive workplace, and increase employee engagement. How? By teaching you to effectively communicate authentic appreciation and encouragement to employees, co-workers, and leaders. Most relational problems in organizations flow from this question: do people feel appreciated? This book will help you answer "Yes!" A bestseller—having sold over 300,000 copies and translated into 16 languages—this book has proven to be effective and valuable in diverse settings. Its principles about human behavior have helped businesses, non-profits, hospitals, schools, government agencies, and organizations with remote workers. PLUS! Each book contains a free access code for taking the online Motivating By Appreciation (MBA) Inventory (does not apply to purchases of used books). The assessment identifies a person's preferred languages of appreciation to help you apply the book. When supervisors and colleagues understand their coworkers' primary and secondary languages, as well as the specific actions they desire, they can effectively communicate authentic appreciation, thus creating healthy work relationships and raising the level of performance across an entire team or organization. Take your team to the next level by applying The 5 Languages of Appreciation in the Workplace.

This book uses an interdisciplinary approach to explain the origin of and possible solutions to many different occlusal problems. Dr. Peter E. Dawson guides the reader along the way providing balanced explanations of theory and technique. He also debunks many popular misconceptions through practical discussion of their origins and the deficiencies of the arguments behind them. Different sides of many philosophies are presented while guiding the reader to the most functional and esthetic solution to various occlusal situations. Hundreds of full-color photographs, illustrations, and diagrams show aspects of the masticatory system, the epidemiology of occlusal problems, and procedures for finding the ideal occlusion. Whether the reader is a general dentist or a specialist, they will find this book applicable to their treatment methods and philosophies. OUTSTANDING FEATURES Special atlas sections break down complex information accompanied by descriptive diagrams and photographs to further explain sources of occlusal disorders and related pain. Hundreds of full-color photographs and illustrations show problems and procedures. Procedure boxes offer step-by-step explanations of specific procedures. Important Considerations boxes in the Treatment chapters outline treatment plans and describe what is to be accomplished. Programmed treatment planning, a specific process that guides a clinician through every step for solving even the most complex restorative or esthetic challenge. The role of TMJs and occlusion in "everyday" dentistry. The role of occlusion in orofacial pain and TMD, and in anterior esthetics. Simplified occlusal equilibration and how to explain this process to patients. The functional matrix concept for exceptional, foolproof smile design. The five options for occlusal correction and how to apply them to practice. Use and abuse of occlusal sprints. Coordinating occlusal treatment with specialists for a fully interdisciplinary approach. Specific criteria for success and how to test for each.

Advanced EndodonticsJaypee Brothers,Medical Publishers Pvt. LimitedEndodontic MicrobiologyJohn Wiley & Sons  
The Anatomy of the Root-canals of the Teeth of the Permanent Dentition  
Clinical Retreatment and Surgery

Endodontics  
Clinical Guide for Optimal Treatment Outcome  
Current Concepts in Pulp Therapy for Primary and Young Permanent Teeth  
Principles and Practice  
The definitive endodontics reference, *Cohen's Pathways of the Pulp* is known for its comprehensive coverage of leading-edge information, materials, and techniques. It examines all aspects of endodontic care, from preparing the clinician and patient for endodontic treatment to the role the endodontist can play in the treatment of traumatic injuries and to the procedures used in the treatment of pediatric and older patients. Not only does *Hargreaves and Cohen's 10th edition* add five chapters on hot new topics, it also includes online access! As an Expert Consult title, *Cohen's Pathways of the Pulp* lets you search the entire contents of the book on your computer, and includes five online chapters not available in the printed text, plus videos, a searchable image collection, and more. For evidence-based endodontics research and treatment, this is your one-stop resource!

**Use best practices in effectively treating infections of the head, neck, and orofacial complex! Head, Neck, and Orofacial Infections: An Interdisciplinary Approach is the only resource on the market with in-depth guidelines to the diagnosis and management of pathology due to severe infections. No longer do you have to search through journal articles and websites, as this comprehensive, full-color reference covers both cutting-edge and time-tested approaches to recognizing and handling infections. From well-known OMS educator James Hupp and oral surgeon Elie Frenkel, and with chapters written by expert contributors, this book is ideal for use in the classroom, as preparation for the NBDE and specialty exams, and as a clinical resource for patient care. UNIQUE! Comprehensive coverage of head, neck, and orofacial infections addresses the diagnosis and management of pathology due to infections of the head and neck and orofacial complex. Expert contributors are drawn from the disciplines of oral and maxillofacial surgery, head and neck surgery, plastic surgery, and otolaryngology, and they provide state-of-the-art guidance based on extensive experience with current techniques as well as technological advances in managing head, neck, and orofacial infections. Over 500 photographs, radiographs, and illustrations demonstrate pathologies, procedures, and outcomes. A logical organization addresses these topics: 1) issues that are common to all infections of the head and neck region, 2) infections related to certain procedures, types of patients, unusual organisms, and medical-legal implications. Key chapters include: Odontogenic Infections of the Facial Spaces chapter focuses on the etiology, clinical manifestations, anatomic considerations, and treatment of odontogenic infections. Nasal and Para-Nasal Sinus Infections chapter discusses the pathophysiology and management of nasal and paranasal sinus infections. Microbiology: Considerations with Dental Implants chapter reviews the issues associated with the prevention of infection with surgical implant placement, including the factors that are known to cause infection, the putative bacteria involved and means to control infection once it occurs. Six dental schools have closed in the last decade and others are in jeopardy. Facing this uncertainty about the status of dental education and the continued tension between educators and practitioners, leaders in the profession have recognized the need for purpose and direction. This comprehensive volume—the first to cover the education, research, and patient care missions of dental schools—offers specific recommendations on oral health assessment, access to dental care, dental school curricula, financing for education, research priorities, examinations and licensing, workforce planning, and other key areas. Well organized and accessible, the book keeps the evolution of dental practice and education. Reviews key indicators of oral health status, outlines oral health goals, and discusses implications for education. Addresses major curriculum concerns. Examines health services that dental schools provide to patients and system design. Looks for involvement in research. Explores the relationship of dental education to the university, the dental profession, and society at large. Accreditation, the dental workforce, and other critical policy issues are highlighted as well. Of greatest interest to deans, faculty, administrators, and students at dental schools, as well as to academic health centers and universities, this book also will be informative for health policymakers, dental professionals, and dental researchers.**

The authoritative reference that continues to present a systematic analysis of the scientific basis of endodontology The third edition of *Essential Endodontology: Prevention and Treatment of Apical Periodontitis* has been revised and updated to include the most recent developments in the field, maintaining its position as the major scientific treatise of apical periodontitis. Making an often-complex subject more digestible, the book explores the scientific basis of endodontology, adopting a systematic analysis of the available clinical and laboratory evidence. Promoting apical periodontitis as a disease entity, the comprehensive third edition focuses on its biology and clinical features, enabling the reader to have a better understanding of its diagnosis, prevention and treatment. In addition to thorough updates and full colour illustrations throughout, a new chapter on regenerative endodontics has been added to this edition.

Written with a focus on the scientific basis of endodontology Includes a new chapter on regenerative endodontics Presents the most current information and major developments in this fast-moving field Provides helpful learning outcomes in each chapter Contains full colour illustrations, enriching the text Features contributions from a noted panel of international experts, including new contributors from across the globe Regarded as a vital companion to the pursuit of excellence in postgraduate and specialist education, *Essential Endodontology* is an indispensable and accessible resource for practicing endodontists, postgraduate students of endodontology and those seeking professional certification in endodontology.

**Empowering Organizations by Encouraging People**  
**Mastering Clinical Practice**  
**Essential Endodontology**  
**Endodontic Surgery**  
**Medical Emergencies in the Dental Office**

This book reviews the available information on bacterial disinfection in endodontics, with emphasis on the chemical treatment of root canals based on current understanding of the process of irrigation. It describes recent advances in knowledge of the chemistry associated with irrigants and delivery systems, which is of vital importance given that chemical intervention is now considered one of the most important measures in eliminating planktonic microbes and biofilms from the infected tooth. Recommendations are made regarding concentrations, exposure times and optimal sequences. Possible complications related to the use of the different solutions are highlighted, with guidance on response. In addition, clinical protocols are suggested on the basis of both clinical experience and the results of past and ongoing research. Throughout, a practical, clinically oriented approach is adopted that will assist the practitioner in ensuring successful endodontic treatment.

Endodontics is the prevention, diagnosis and management of diseases of the tooth pulp and the tissues surrounding the root of a tooth. This new edition is a complete guide to endodontics for dental students. Divided into 39 chapters, the book covers numerous procedures and case studies and the text is further enhanced by more than 1500 clinical photographs, diagrams and tables. The fourth edition has been fully revised, and new topics added, to provide students with the latest information and advances in the field. Key points and clinical tips are highlighted for each topic and questions are included at the end of each chapter to assist exam preparation. Key points Complete guide to endodontics for dental students Fully revised, new edition providing latest advances in the field Includes more than 1500 clinical photographs, diagrams and tables Previous edition (978935989522) published in 2013

*Endodontology* has seen enormous advances in recent years. New high-tech tools, such as operative microscopes in combination with ultrasound and nickel-titanium files, make possible a high-level of quality in treatment with excellent long-term treatment results. Regular updating of knowledge is indispensable for every practitioner. This book provides a fast and up-to-date orientation of the entire area of endodontology. Didactic concept: The classic Thieme Flexi format, with concise text on the left and excellent illustrations on the right hand page of more than 150 double page spreads. Oriented toward problem-solving: What is to be done with ongoing pain? How should one react in an emergency situation? What special considerations are there in children? What should one do in the case of obliterated canals, perforations, and incomplete growth of roots? When results are poor, how does one plan re-treatment procedures? Efficient treatment planning, newest methods

Organized by signs and symptoms, this text addresses specific types of emergencies while emphasizing prevention through accurate assessment and preparation. Includes American Heart Association recommendations for prophylactic antibiotics and emergency cardiac procedures.

The Manual of Dental Assisting  
Endodontic Microbiology  
Technical Considerations, Perception, and Decision-making  
Current Therapy in Endodontics  
Common Complications in Endodontics  
Dental Education at the Crossroads

Complex endodontic problems that require further work on the part of the clinician can be time-consuming and problematic. This highly illustrated text, from one of the authors of the very successful *Endodontics: Problem-Solving in Clinical Practice*, tackles these difficult aspects and guides the practitioner through the problems and procedures involved. The only monograph on this specific problem area, *Advanced Endodontics* will be of interest to endodontists, general dental practitioners with a special interest in endodontics, and postgraduates in restorative and endodontic specialties.

**Endodontic Microbiology, Second Edition** presents a comprehensive reference to the microbiology, pathogenesis, management, and healing of endodontic pathosis, emphasizing the importance of biological sciences in understanding and managing endodontic disease and its interaction with systemic health. Provides a major revision to the first book to focus on the problems related to microbes in the root canal and periapical tissues Updates current knowledge in endodontic pathosis, especially regarding next generation sequencing and microbial virulence Presents useful diagrams, images, radiographs, and annotated histological images to illustrate the concepts Emphasizes the importance of biological science in understanding and managing endodontic disease Includes contributions from the leading researchers and educators in the field

This book describes the most commonly encountered endodontic complications and provides up-to-date information on their prevention and management. The opening chapters explain the importance of accurate diagnosis and treatment planning, outline the role of digital radiography and CBCT in managing complications, and highlight the need for close attention to anatomic landmarks and precautions to avoid damage to neurovascular anatomy.

Endodontic problems associated with different procedural errors are then discussed in detail, covering a wide variety of access- and instrumentation-related complications and the difficulties that may arise when using obturation techniques. Readers will also find information on the endodontic-periodontal relationship, special issues in geriatric patients, and the potential medical emergencies and precautions in specific patient subsets. The clear, easy-to-read text is complemented by numerous high-quality photographs and tables that assist understanding and ready identification of management solutions. This book will be of value for all dental practitioners with an interest in endodontics, endodontic specialists, and higher-level students.

This book provides clear, concise guidance on a range of essential treatment strategies for the provision of reliable endodontic care. Practical clinical procedures are described step by step and key concepts emphasized with the aid of a wealth of high-quality illustrations and photographs. Examples of best practice are documented by means of clinical case examples, and the provision of concise tips and recommendations ensures that the reader will quickly be able to find solutions to any one of the myriad of endodontic challenges with which he or she may be confronted. In addition, the most relevant key literature is reviewed in order to support and reinforce the discussed clinical concepts. The described endodontic treatment strategies are all grounded in a sound scientific evidence base. The book should enable practitioners to manage any endodontic case from first principles and will be of value for both dental practitioners and endodontic trainees/specialists.

**PDQ Endodontics**  
**Advanced CBCT for Endodontics**  
**An Illustrated Clinical Guide**  
**From TMJ to Smile Design**  
**Challenges and Change**  
**Advanced Dental Biomaterials**  
**Wurzelkanal / Anatomie**  
**Prevention and Treatment of Apical Periodontitis**  
**An Interdisciplinary Approach**  
**The 5 Languages of Appreciation in the Workplace**  
**Endodontic Treatment, Retreatment, and Surgery**  
**Minimally Invasive Approaches in Endodontic Practice**  
**Root Canal Cover-up**